

ILTI

ITALIAN LABELLING TECHNOLOGY INDUSTRY



**PROPER, the universal labeling unit
for self-adhesive labels**

A modern project

Specifically designed to meet today's demanding market needs, with advanced features it is suitable for working in all industrial environments, for handling all commonly used materials and assuring very high production efficiency on 2 and 3 daily shifts.

Utmost versatility

Available in 3 different models, for paper widths from 100 mm – 170 mm and 230 mm in order to meet your different production requirements. Operating speeds range between 70 and 90 meters/minute, based on label size and material.

Sturdy construction

High quality and robust, the modular construction allow it to be used in stand-alone mode on production lines as well as integrated into multiple labeling machines, both rotary and in-line.

The driving unit

Operated by a servo motor, it utilizes the loop-shaped path of the web that winds around the drum in order to minimize the possible effects of slippage. The contrast roller features a spring-loaded adjusting system at both ends, thus allowing the handling of small labels.

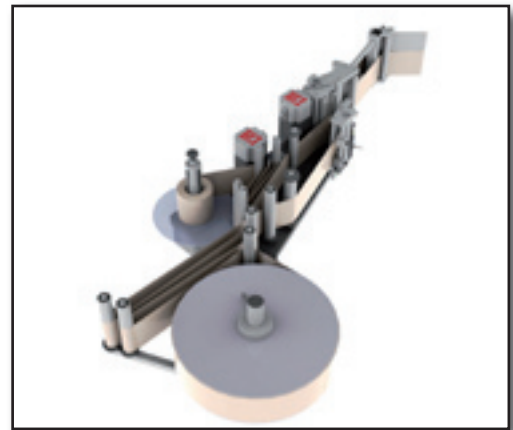
Pre-unwinder

With a self-centering paper roll system and featuring a drive arm with an internally expanding brake it provides smooth and constant unwinding of the web.

A motorized pre-unwinder with servo motor or a separated structure with double reel holder and splicing board is available as an option.

Rewinder

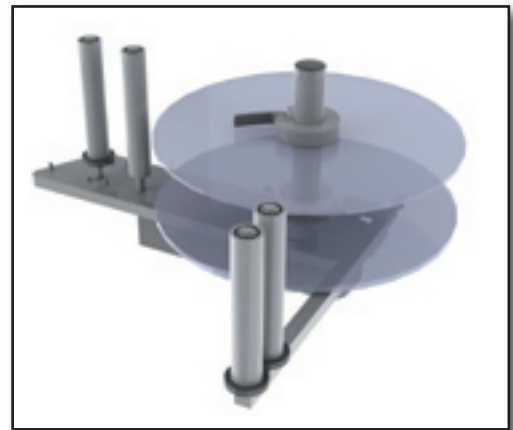
The rewinder with tensioning arm, controlled by a servo motor offers constant and smooth winding of the carrier web without excessive increase in web tension.



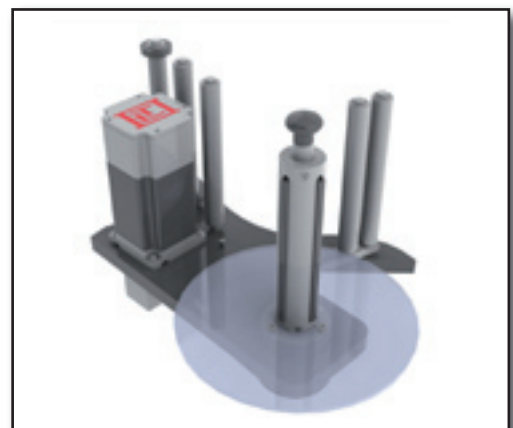
Proper-R 90-170 labeling unit



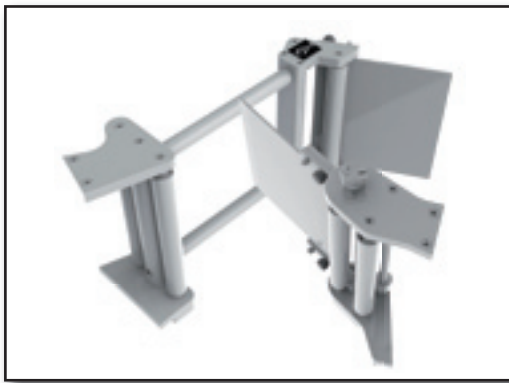
Driving unit



Reel pre-unwinder



Reel rewinder



Detacher

The detacher

The detacher is dedicated and reversible according to usage requirements for rotary (Proper-R), in-line or stand-alone machines. The labeling angle is fully adjustable according to the shapes of the containers.

Reel brake

The highly practical reel brake device offers mechanical or vacuum friction types. Extremely easy to use in both cases, with an opening device for reel passing and adjustment of the braking force.

Label sensor

Fork type optical label sensors are installed in a fixed position with electronically adjustable label predispending. A second sensor can be installed, as an option, for transparent or particularly difficult label characteristics. Selection of the sensor type to be used is directly related to the product's parameters.

Control unit

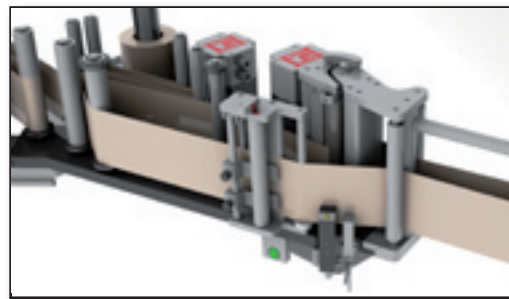
The electronic components are self-contained in a separate unit to facilitate the installation directly into a production line or for integration within elaborate labeling machines. The user interface display can be installed either onto the labeling unit or within the control unit of a larger machine. User access levels are defined and protected by password. Specific label parameter storage of up to 50 different types are selectable through numeric code.

Supports

A wide range of standard supports are offered with one or two large section steel tubes for optimal mass balance and greater unit stability. Suitable for both vertical and horizontal assembly as well as lateral labeling from above. Simple reproduction of settings is maintained due to numeric positioning displays. Multiple adjustments (vertical, double tilted, and depth) by means of hand wheels are available as an option. Electronic lateral adjustment is standard on the labeling station.



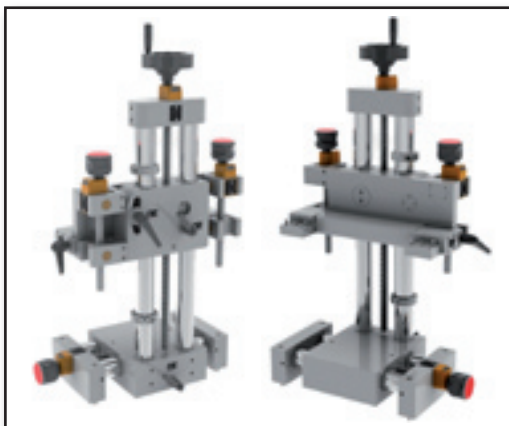
Mechanical reel brake



Label sensor



Control unit can be integrated



Supports with multiple adjustment

Technical Data

Chracteristics	Model		
	100mm	170mm	230mm
Paper widths	100mm	170mm	230mm
Reel max. external diameter	300mm	300mm	300mm
	400mm opz.	400mm opz.	400mm opz.
Core diameter	76mm	76mm	76mm
	100mm opz.	100mm opz.	100mm opz.
Max. dispensing speed	90m/min.	90m/min.	70m/min.
Driving unit	Operated by a servo motor, high-coupled and dynamic		
Standard pre-unwinder	With tensioning arm and brake on the reel plate		
Optional pre-unwinder	Motorized with servo motor		
	Separated, with independent motorization, reel holder and splicing board		
Rewinder	With tensioning arm, controlled by a servo motor		
Label sensor	Optical, fork type, installed in a fixed position		
	Capacitive or ultrasound sensor as option		
Control unit	As a separate unit, with module to be integrated or for stand-alone functioning		
Operator panel	Programmable panel fitted on the labeling station or on the control unit		



ILTI S.r.l.

Via 8 Marzo, 12/14
 46014 Castellucchio (MN) Italy
 Tel. ++39 0376 43 44 11
 Fax. ++39 0376 43 95 34
 E-Mail info@ilti.it
 Internet www.ilti.it
 C.F. e P.IVA: 02247420207

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